Date 3/29/57

MATERIAL BALANCE ON RADIOACTIVE ISOTOPES OBTAINED BY M. Stern

Shipment No.	Material	Date Received	Quantity Received	Quantity on Hand		Comments (Form of material, storage, disposal, decay, etc.)
				Date	Date	
0	Co^{60}	June 1953	Correction 3.85 mc. NB548-96	3.85 mc. 6/53	2.33 mc. 4/57	Material in form of 5 metallic pellets. Difference in quantity due to decay. Stored in lead container in main file.
1	Ni^{63}	1/14/55	2 mc.	1.97 mc. 2/28/57	1.964 mc. 3/29/57	Material in form of Watt's type plating bath. Stored in lead container, Room 204.
3	Po^{210}	8/30/55	0.67 mc.	.185 μc. 2/28/57	0 3/29/57	All material used for zinc activation for Job 4001. All waste solution evaporated to dryness and discarded in radioactive waste container.
4	Po^{210}	12/27/55	0.79 mc.	41.78 μc. 2/28/57	5.8 μc. 3/29/57	Difference in quantity due to zinc activation Job 4001
5	Ni^{63}	12/28/55	3 mc.	2.96 mc. 2/28/57	2.95 mc. 3/29/57	Material in dilute HCl solution. Stored in lead container Room 204.
7	H^3	3/29/56	150 mc.	142.6 mc. 2/28/57	141.9 mc. 3/29/57	Material present as gas. Stored in unopened container in hood of Room 204. Difference in quantity due to decay.
8	H^3	4/4/56	150 mc.	48.2 mc. 2/28/57	47.97 mc. 3/29/57	Material present as tritiated H_2O. Difference in quantity due to decay. Stored in hood Room 204.
9	C^{14}	5/8/56	5 mc.	5 mc. 2/28/57	5 mc. 2/28/57	Unopened container stored in Room 204. Present as 0.1389 gram $BaCO_3$
11	H^3	10/11/56	150 mc.	146.8 mc. 2/28/57	146.7 mc. 3/29/57	Material present as tritiated H_2O (25 mc./g.) container unopened in hood of Room 204.

Signed: E A Tomes

Date: 4/1/57

AREA SURVEY FOR RADIOACTIVE CONTAMINATION

Room No. 204-202

Instruments Used:

Nuclear-Chicago Model 1615B with thin end window counter model D-34

Measurements and Comments:

Survey of Rooms 202 and 204 shows no appreciable contamination. Wipes made on all flat surfaces gave no greater count than background.

Survey by: E A. Tome